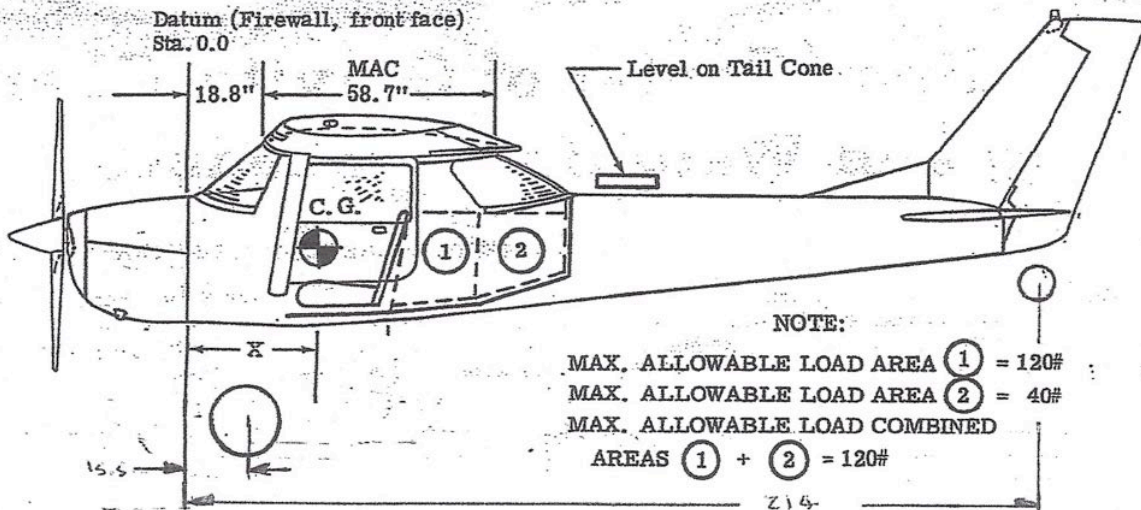


# Weighing Procedure



NOTE:  
 MAX. ALLOWABLE LOAD AREA ① = 120#  
 MAX. ALLOWABLE LOAD AREA ② = 40#  
 MAX. ALLOWABLE LOAD COMBINED  
 AREAS ① + ② = 120#

Scale Position	Scale Reading	Tare	Symbol	Net Weight	
Left Wheel	515	0	L	515	
Right Wheel	510	0	R	510	
Tail Wheel	114	0	T	114	
Aircraft Empty Weight (As Weighed)				W	1139 lbs.

$$c.g. = D + \left( \frac{2 \times L}{W} \right)$$

$$35.4 = 15.5 + \left( \frac{114 \times 148.5}{1139} \right)$$

Aircraft weighed with oil and 21 lbs. of fuel as called for in A.D. 86-15-07. Aircraft weighed I/A/W 43.13-1B Chapter 10.

*Allan Hatz*

Allan Hatz  
 A&P 399782276  
 May 20, 2008

1. Preparation:
  - a. Inflate tires to recommended operating pressures.
  - b. Remove each wing tank drain plug to remove all fuel.
  - c. Remove oil sump drain plug to drain all oil.
  - d. When individual front seats are installed, place seats in most forward position with seat backs in most nearly vertical position.
  - e. Put flaps in the fully retracted position.
  - f. Place all control surfaces in neutral position.
2. Leveling:
  - a. Place scales under each wheel (500# min. capacity for scales).
  - b. Deflate nose tire to center bubble on level (see Diagram).
3. Weighing:
  - a. With the airplane level and brakes released, record the weight shown on each scale. Deduct the tare, if any, from each reading.
4. Measuring:
  - a. Obtain measurement "A" by measuring horizontally (along the airplane center line) from a line stretched between the main wheel centers to a plumb bob dropped from the firewall.
  - b. Obtain measurement "B" by measuring horizontally and parallel to the airplane center line, from center of nose-wheel axle, left side, to a plumb bob dropped from the line between the main wheel centers. Repeat on right side and average the measurements.
5. Completing the Form:
  - a. Using weights from (3) and measurements from (4) the airplane weight and C.G. can be determined.
  - b. Obtain licensed empty weight by adding weight and moment of 3.5 gallons of unusable fuel (weight = 21.0#, moment = 840 lb ins.) to airplane empty weight and moment.

REVISION OF WEIGHT AND BALANCE AND EQUIPMENT

Make Cessna Serial No. A15000036

Model A150K Registration No. N8336M

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Removed original engine and installed Lycoming O-320- E2D with Sensenich 74DM6S5 Propeller. Reweighed aircraft I/A/W A.D. 86-15-07.			
New E.W. Data	1139 lbs.	35.4 in.	40320.6 in/lbs

New Empty Weight 1139 lbs.

New Empty Weight C.G. 35.4 in.

New Usefull Load 621 lbs.

This Revision supercedes weight and balance dated April 26, 1999

Prepared by Allan Hatz Date May 20, 2008

A&P 399782276 Signed 